

Exploring Aeronautics			
2008 Mathematics			
Curriculum Standards			
Tennessee Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Fundamentals of Aeronautics (145-176)	TN	MA.5.GLE 0506.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Fundamentals of Aeronautics (145-176)	TN	MA.5.GLE 0506.5.1	Make, record, display and interpret data and graphs that include whole numbers, decimals, and fractions.
Integrating with Aeronautics	TN	MA.5.GLE 0506.5.1	Make, record, display and interpret data and graphs that include whole numbers, decimals, and fractions.
Intro to Aeronautics (109-123)	TN	MA.5.GLE 0506.5.1	Make, record, display and interpret data and graphs that include whole numbers, decimals, and fractions.
Scientific Method(124-144)	TN	MA.5.GLE 0506.5.2	Describe the shape and important features of a set of data using the measures of central tendency.
Exploring Aeronautics			
2008 Mathematics			
Curriculum Standards			
Tennessee Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Fundamentals of Aeronautics (145-176)	TN	MA.6.GLE 0606.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Integrating with Aeronautics	TN	MA.6.GLE 0606.1.3	Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas.
Integrating with Aeronautics	TN	MA.6.GLE 0606.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Integrating with Aeronautics	TN	MA.6.GLE 0606.5.2	Interpret representations of data from surveys and polls, and describe sample bias and how data representations can be misleading.
Intro to Aeronautics (109-123)	TN	MA.6.GLE 0606.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Intro to Aeronautics (109-123)	TN	MA.6.GLE 0606.5.2	Interpret representations of data from surveys and polls, and describe sample bias and how data representations can be misleading.

Scientific Method(124-144)	TN	MA.6.GLE 0606.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Scientific Method(124-144)	TN	MA.6.GLE 0606.5.2	Interpret representations of data from surveys and polls, and describe sample bias and how data representations can be misleading.
Exploring Aeronautics			
2008 Mathematics			
Curriculum Standards			
Tennessee Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Fundamentals of Aeronautics (145-176)	TN	MA.7.GLE 0706.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Fundamentals of Aeronautics (145-176)	TN	MA.7.GLE 0706.5.2	Select, create, and use appropriate graphical representations of data.
Fundamentals of Aeronautics (145-176)	TN	MA.7.GLE 0706.5.3	Formulate questions and design studies to collect data about a characteristic shared by two populations, or different characteristics within one population.
Wings(177-208)	TN	MA.7.GLE 0706.4.3	Understand and use scale factor to describe the relationships between length, area, and volume.
Science of Flight	TN	MA.7.GLE 0706.5.1	Collect, organize, and analyze both single- and two-variable data.
Science of Flight	TN	MA.7.GLE 0706.5.3	Formulate questions and design studies to collect data about a characteristic shared by two populations, or different characteristics within one population.
Integrating with Aeronautics	TN	MA.7.GLE 0706.1.3	Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas.
Integrating with Aeronautics	TN	MA.7.GLE 0706.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Intro to Aeronautics (109-123)	TN	MA.7.GLE 0706.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Intro to Aeronautics (109-123)	TN	MA.7.GLE 0706.5.1	Collect, organize, and analyze both single- and two-variable data.
Intro to Aeronautics (109-123)	TN	MA.7.GLE 0706.5.3	Formulate questions and design studies to collect data about a characteristic shared by two populations, or different characteristics within one population.

Scientific Method(124-144)	TN	MA.7.GLE 0706.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Scientific Method(124-144)	TN	MA.7.GLE 0706.5.1	Collect, organize, and analyze both single- and two-variable data.
Scientific Method(124-144)	TN	MA.7.GLE 0706.5.2	Select, create, and use appropriate graphical representations of data.
Scientific Method(124-144)	TN	MA.7.GLE 0706.5.3	Formulate questions and design studies to collect data about a characteristic shared by two populations, or different characteristics within one population.
Exploring Aeronautics			
2008 Mathematics			
Curriculum Standards			
Tennessee Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Integrating with Aeronautics	TN	MA.8.GLE 0806.1.3	Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas.
Integrating with Aeronautics	TN	MA.8.GLE 0806.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Intro to Aeronautics (109-123)	TN	MA.8.GLE 0806.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Scientific Method(124-144)	TN	MA.8.GLE 0806.1.5	Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.
Scientific Method(124-144)	TN	MA.8.GLE 0806.5.2	Select, create, and use appropriate graphical representations of data (including scatterplots with lines of best fit) to make and test conjectures.